



1/6

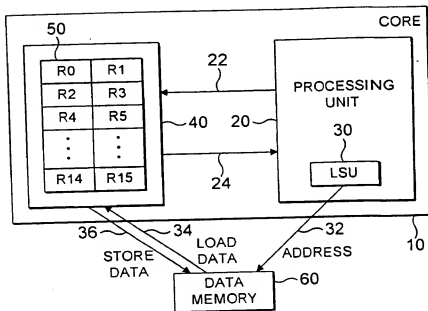


FIG. 1

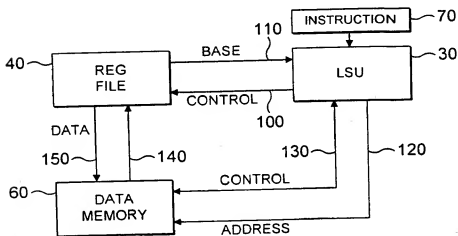


FIG. 2

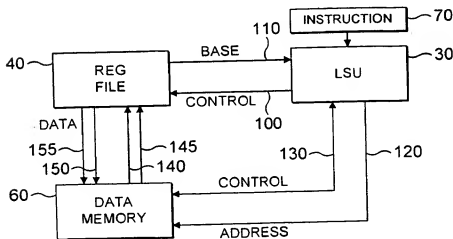


FIG. 3

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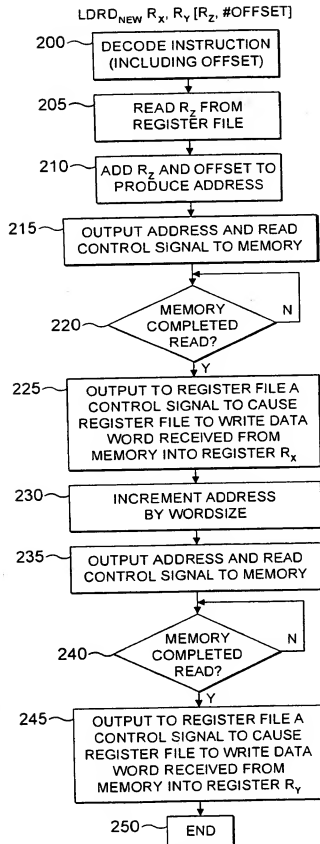


FIG. 4

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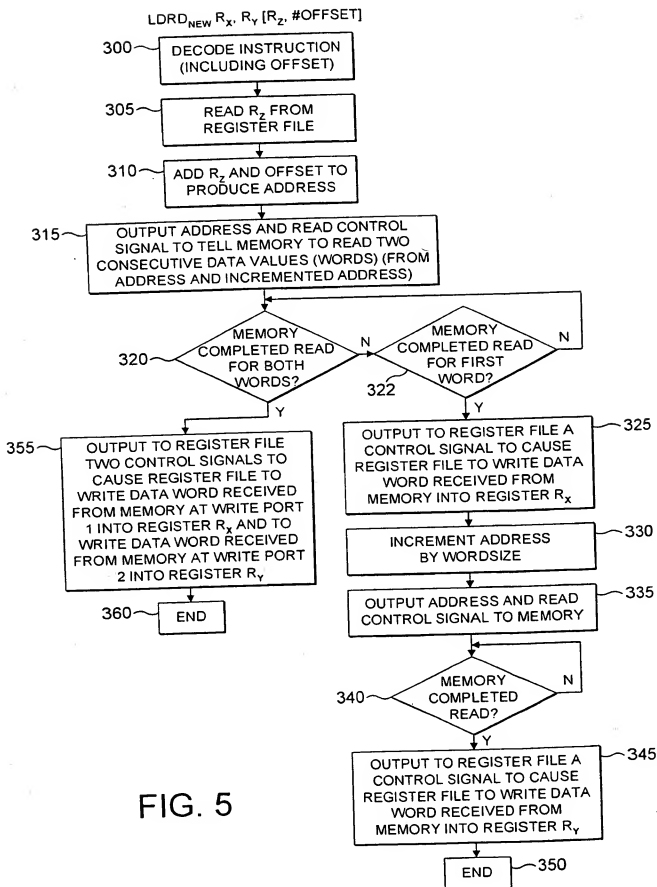


FIG. 5

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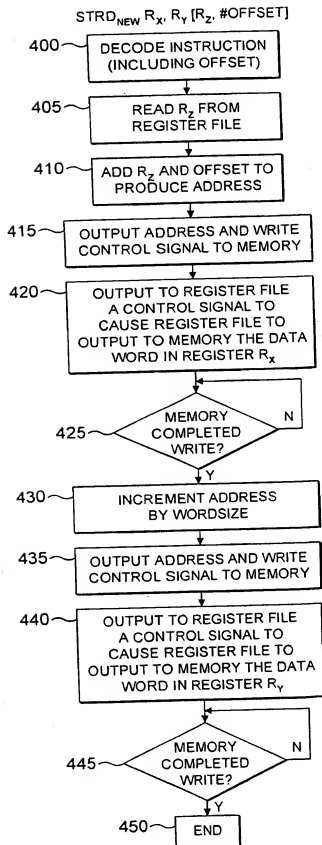
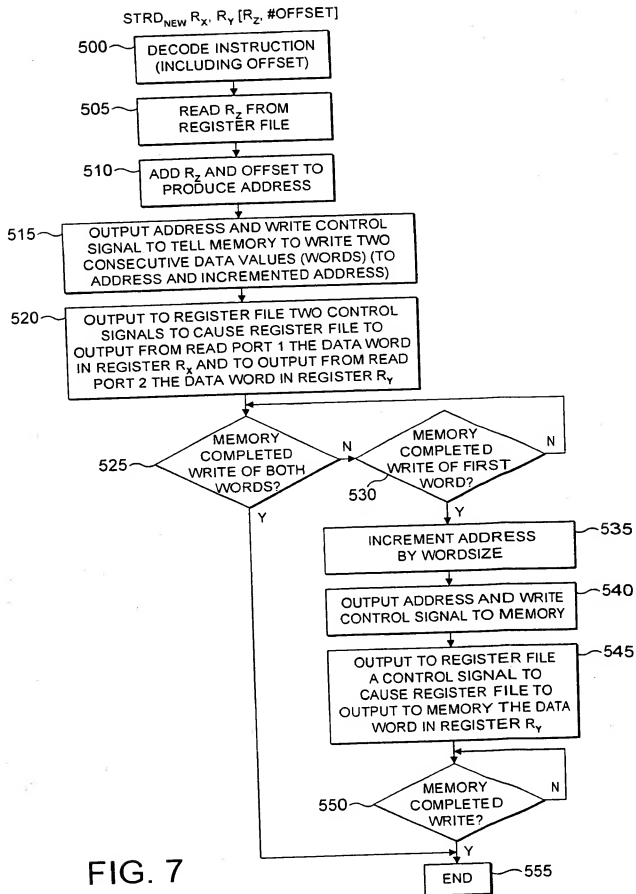


FIG. 6

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$$\begin{array}{l} \text{LDR } R0, [R4, \#0] \\ \text{LDR } R1, [R4, \#4] \end{array} \left\{ \begin{array}{l} \text{LDMIA } R4, \{R0, R1\} \\ \text{LDRD } R0, [R4, \#0] \\ \text{LDRD}_{\text{NEW}} R0, R1, [R4, \#0] \end{array} \right.$$

FIG. 8A

$$\begin{array}{l} \text{LDR } R0, [R4, \#8] \\ \text{LDR } R1, [R4, \#12] \end{array} \left\{ \begin{array}{l} \text{X LDMIA} \\ \text{LDRD } R0, [R4, \#8] \\ \text{LDRD}_{\text{NEW}} R0, R1, [R4, \#8] \end{array} \right.$$

FIG. 8B

$$\begin{array}{l} \text{LDR } R0, [R4, \#0] \\ \text{LDR } R2, [R4, \#4] \end{array} \left\{ \begin{array}{l} \text{LDMIA } R4, \{R0, R2\} \\ \text{X LDRD} \\ \text{LDRD}_{\text{NEW}} R0, R2, [R4, \#0] \end{array} \right.$$

FIG. 8C

$$\begin{array}{l} \text{LDR } R2, [R4, \#4] \\ \text{LDR } R0, [R4, \#8] \end{array} \left\{ \begin{array}{l} \text{X LDMIA} \\ \text{X LDRD} \\ \text{LDRD}_{\text{NEW}} R2, R0, [R4, \#4] \end{array} \right.$$

FIG. 8D

$$\begin{array}{l} \text{LDR } R0, [R4, \#12] \\ \text{LDR } R2, [R4, \#16] \end{array} \left\{ \begin{array}{l} \text{X LDMIA} \\ \text{X LDRD} \\ \text{LDRD}_{\text{NEW}} R0, R1, [R4, \#12] \end{array} \right.$$

FIG. 8E

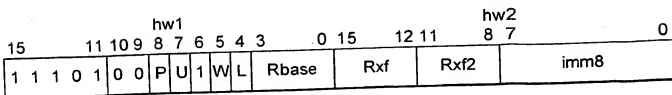


FIG. 9